

Acer LCD TV

AT4220B/AT3720B

AT3220B/AT2720B

User's Guide

Contents

Important safety instructions	2
Disposal instructions	2
Declaration of Conformity	2
First things first	3
Packing checklist	3
Your LCD TV overview	3
Front panel view	3
Rear panel view	4
Remote control	5
General keys	5
Teletext	5
Basic connections	6
Connecting the power cord	6
Setting up the remote control	6
Enjoying analog TV	6
Connecting an antenna/cable	6
Getting started watching your TV	6
Connecting external audio/video devices	7
Connecting a DVD, VCR, STB or audio/video equipment	7
Connecting a camera, camcorder or video game	8
Connecting a PC or notebook computer	8
Selecting the input source	8
OSD navigation	9
Navigating the OSD with the remote control	9
Adjusting the OSD settings	10
Empowering Technology	11
Set up Empowering mode	11
Default setting in different Empowering mode	12
Advanced features	13
PIP&P&P	13
Lock TV	15
Reorder for channels	16
Re-scan for channels	17
Widescreen display mode	18
Troubleshooting	19
Product specifications	20

Copyright © 2004, Acer Incorporated.
All Rights Reserved.

Acer LCD TV User's Guide
Original Issue: 04/2004

Changes may be made periodically to the information in this publication without obligation to notify any person of such revisions or changes. Such changes will be incorporated in new editions of this manual or supplementary documents and publications. This company makes no representations or warranties, either expressed or implied, with respect to the contents herein and specifically disclaims the implied warranties of merchantability or fitness for a particular purpose.

Record the model number, serial number, purchase date, and place of purchase information in the space provided below. The serial number and model number are indicated on the label affixed to your device. All correspondence concerning your unit should include the serial number, model number, and purchase information.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronically, mechanically, by photocopying, recording, or otherwise, without the prior written permission of Acer Incorporated.

Model Number: _____
Serial Number: _____
Purchase Date: _____
Place of Purchase: _____

Acer and the Acer Logo are registered trademarks of Acer Inc. Other companies' product names or trademarks are used herein for identification purposes only and belong to their respective companies.

Important safety instructions

Read these instructions carefully. Please put them somewhere safe for future reference.

1. Follow all warnings and instructions marked on the product.
2. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
3. Do not use this product near water.
4. Do not place this product on an unstable cart, stand or table. The product may fall, sustaining serious damage.
5. Slots and openings are provided for ventilation, to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should never be placed near or over a radiator or heat register or in a built-in installation unless proper ventilation is provided.
6. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
7. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be stepped on.
8. If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed the line rating.
9. Never push objects of any kind into this product through cabinet slots as they may reach dangerous voltage points or short-out parts, which could result in a fire or electric shock. Never spill liquid of any kind on the product.
10. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.
11. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power cord or plug is damaged or frayed.
 - b. If liquid has been spilled into the product.
 - c. If the product has been exposed to rain or water.
 - d. If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls could result in damage, extensive work by a qualified technician might then be required to restore the product to normal condition.
 - e. If the product has been dropped or the case has been damaged.
 - f. If the product exhibits a distinct change in performance, indicating a need for service.
12. Use only the proper type of power supply cord set (provided in your accessories bag) for this unit. Always disconnect the power cord from the wall outlet before servicing or disassembling this equipment.
13. Do not overload an electrical AC outlet, power strip, or convenience receptacle. The overall system load must not exceed 80% of the branch circuit rating. If power strips are used, the load should not exceed 80% of the power strip rating.
14. Some products are equipped with a three-wire electrical grounding-type plug that has a third pin for grounding. This plug only fits into a grounded electrical outlet. This is a safety feature. Make sure the AC outlet is properly grounded. Do not defeat the safety purpose of the grounding-type plug by trying to insert it into a non-grounded outlet. If you cannot insert the plug into the outlet, contact your electrician to replace the obsolete outlet.



The grounding pin is an important safety feature. It is possible to receive an electric shock from a system that is not properly grounded.



The grounding pin is also providing good immunity ability against unexpected noise that in turn improves performance of this product and is provided by other nearby electrical devices.

Disposal instructions

Do not throw this electronic device into the rubbish bin / container when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle.

For more information regarding WEEE, please refer to <http://global.acer.com/about/environmental.htm>



Declaration of Conformity

Name of Manufacturer: Acer Computer (Shanghai) Limited
Address of Manufacturer: 3F, No. 158 Xiangyin Road, Huangpu District, Shanghai, China
Declares that product: LCD TV Monitor
Model: AT series

Conforms to the EMC Directive 89/336/EEC as attested by conformity with the following harmonized standards:

EN 55013: 2001/A1: 2003: Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement

EN 55018: 2002/A1: 2003: Sound and television broadcast receivers and associated equipment - Immunity characteristics - Limits and methods of measurement

EN 55022: 1998/A1: 2000, AS/NZS CISPR 22: 2002: Limits and methods of measurement of radio interference characteristics of Information Technology Equipment.

EN 55024: 1998/A1: 2001, AS/NZS CISPR 24: 1997: Information technology equipment-immunity characteristics-limits and methods of measurement.

Conforms to the Low Voltage Directive 73/23/EEC as attested by conformity with the following harmonized standard:

EN 60065: 1998: Audio, video and similar electronic apparatus-safety requirements.

We, Acer Computer (Shanghai) Limited, hereby declare that the equipment bearing the trade name and model number specified above was tested conforming to the applicable rules under the most accurate measurement standards possible, and that all the necessary steps have been taken and are in force to ensure that production units of the same equipment will continue to comply with the requirements.

Easey Lai

Easey Lai / Director
Acer Computer (Shanghai) Limited

Manufacturer: Acer
Address: 8F, 88, Sec. 1, Hsin Tai Wu Rd.
Nuchih Taipei Hsien
Taiwan



Compliant with Russian regulatory certification

First things first

We would like to thank you for making the Acer LCD TV your choice. With proper care, your new Acer LCD TV will provide you with years of entertainment and satisfaction.

This User's Guide introduces you to the various features your LCD TV can offer, and provides clear and concise information about the product, so please read it thoroughly and retain it for future reference.

Packing checklist

Your LCD TV package should contain the following accessories, in addition to the accessory box. Please ensure that they are all present. If any of the items is missing, then please contact your retailer.

- Remote control (x1) / AAA batteries (x2)
- Power cord (x1)
- User's Guide / Quick Guide

Your LCD TV overview

Front panel view	
1	Power On/Off
2	Menu key
3	Channel up/down
4	Volume +/-
5	Input key

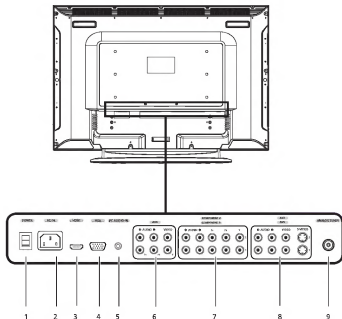


2	 MENU	Menu key	Turns the OSD menu ON and OFF
3	 CH +	Channel up	When the OSD is on, functions the same as the Up arrow
	 CH -	Channel down	When the OSD is on, functions the same as the Down arrow
4	 VOL +	Volume up	When the OSD is on, functions the same as the Right arrow
	 VOL -	Volume down	When the OSD is on, functions the same as the Left arrow
5	 INPUT	Input key	When the OSD is on, press this button to confirm selection



Rear panel view

1	Power switch	2	AC in
3	HDMI	4	VGA in
5	PC Audio in	6	Audio L/R + CVBS + COMPONENT (*)
7	Audio L/R + COMPONENT 1/2	8	Audio L/R + CVBS 1/2 + S Video
9	Analog antenna		

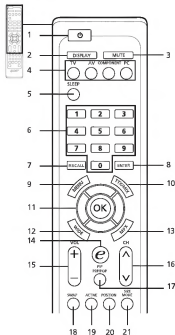


* For AV3, Composite and component inputs share the same audio ports.

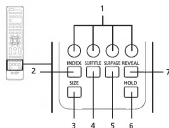


Remote control

General keys



Teletext



- POWER**
Press to turn your TV on/off.
- DISPLAY**
Press to display input/channel information (dependent on input/source type).
- MUTE**
Press to toggle audio on and off.
- Input buttons (TV/AV/COMPONENT/PC)**
Press to select correct input mode.
- SLEEP**
Press to set a time period after which the TV will switch itself to standby (15, 30, 45, 60, 90 or 120 minutes).
- Number keys.**
- RECALL**
Press to return to the previous channel.
- ENTER**
Press to confirm channel number selection.
- MENU**
Press to open or close the Menu.
- TTX/MUX (TELETEXT/MUX)**
Press to switch from TV/AV to Teletext mode.
Press to overlay teletext page on the TV image.
- Directional keys/OK**
VOL (+/-), CH (up/down)
- WIDE**
Press to toggle scaling mode between 4:3, 16:9, Panorama and Letterbox 1, 2, 3 modes.
- MPX**
Press to select the sound input, displayed in the top right hand corner (mono, stereo, bilingual).
- e (Empowering Technology)**
Press to activate Acer Empowering Technology. See page 11.
- VOL (+/-)**
Press to increase or decrease the volume.
- CH (up/down)**
Press to sequentially select the TV channel.
- PIP/PIP/POP**
Switch between PIP/PIP/POP modes. See page 11.
- SWAP**
For PIP/PIP mode: Toggle between the primary and sub-screen.
- ACTIVE**
Toggle between primary and sub-screen.
- POSITION**
When in PIP mode: Change sub-screen position.
- SIZE/MODE**
When in PIP mode: Change sub-screen size. See page 11.
When in POP mode: Switch POP mode from 1+5 to 1+12. See page 14.

- Colour buttons (R/G/B)**
Operates corresponding button on the teletext page.
- INDEX**
Press to go to the index page.
- SIZE**
Press once to zoom teletext page to 2X.
Press again to restore.
- SUBTITLE**
Press to view subtitles on the screen.
- SUBPAGE**
Press to access the teletext's subpages directly.
- HOLD**
Press to pause the current teletext page in multi-page viewing mode.
- REVEAL**
Press to reveal hidden teletext information.

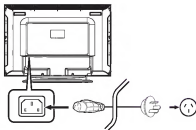
Basic connections

Connecting the power cord

- 1 Connect the AC cord into the AC input on the back of the set.
- 2 Connect the plug to the wall outlet as shown.

Setting up the remote control

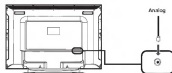
- 1 Open the cover on the back of the remote unit.
- 2 Insert two AAA batteries (supplied) to match the polarity indicated inside the battery compartment.



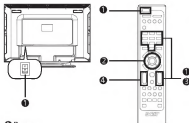
Enjoying analog TV

Connecting an antenna/cable

Connect the antenna cable to the appropriate antenna terminal on the back of the TV set as shown below.



Getting started watching your TV



1 Power

- a. Turn on the power switch beneath the screen.
- b. Press the **power** button, **number** keys or **channel up / down** button on the remote control.

2 Setup Wizard

The first time you switch on the TV, the Setup Wizard will guide you to complete the language selection and channel scanning.

Press the **OK** key to begin the setup process.



You can also adjust these settings using the front control panel. Please see "Front panel view" on page 3 for details.

Step 1. Select the setup language you prefer.

Step 2. Please select country.

Step 3. Ensure that your co-axial cables are connected correctly before proceeding.

Step 4. Scan for analog channels.

Step 5. Setup is now complete. You are ready to begin watching TV.

If you leave the setup process before it is complete, you will be given a choice of options:

1. Resume setup
2. Resume setup wizard at next startup
3. Exit and do not remind me

Select an option and press **OK** to exit.

3 Changing channels

- a. Press 0 - 9 on the remote control to select a channel. The channel changes after 2 seconds; Press **ENTER** to select the channel immediately.
- b. Pressing the channel (**CH**) up / down button on the remote control will also change the channel.

4 Adjusting the volume

Adjust the volume level using the (**VOL**) +/- button on the remote control.



Setup may vary due to local broadcast differences.

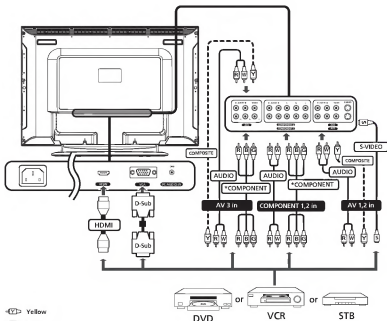


Connecting external audio/video devices

Connecting a DVD, VCR, STB or audio/video equipment

Connect your DVD player, VCR or audio/video equipment using the SCART port located at the rear of your LCD TV as shown below.

Source-IN



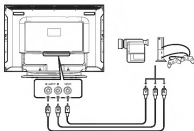
- Yellow
- Red
- White
- Blue
- Green
- S-video



Acer recommends the following priority for connection types:
HDMI → D-Sub → COMPONENT → S-Video → Composite.

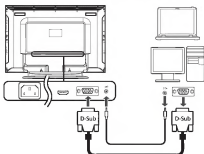
Connecting a camera, camcorder or video game

Connect your camera or camcorder to the video/audio ports on the rear of the TV set as shown below.



Connecting a PC or notebook computer

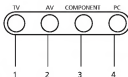
To display PC output on your TV, connect your PC or notebook computer to the TV as shown below.



For VGA input, Acer recommends setting your PC's external monitor resolution to 1360 x 768 pixels @ 60 Hz refresh rate.

Selecting the input source

Once you have connected your antenna or external equipment to the TV, you need to select the correct input source. Press the corresponding button on the remote control to select the correct input source.



Input button guide:

- TV key**
Toggle Analog TV (ATV) between input sources.
- AV key**
Toggle AV1, AV2, AV3-CVBS* and HDMI between input sources.
- COMPONENT key**
Toggle COMPONENT1, COMPONENT2 and AV3-COMPONENT* between input sources.
- PC key**
Toggle VGA between input sources.

* For AV3, Composite and component inputs share the same audio ports.



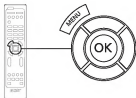
OSD navigation

Many of the advanced settings and adjustments are available through using the OSD (onscreen display) menu, as shown in the example screenshot below.

Basic operations required to navigate these menus (Picture, Audio, Channel management, Options, Settings) are described in this section.

English

Navigating the OSD with the remote control



You can also interact with these menus using the front panel controls. Please see "Front panel view" on page 3 for details.

There are six main OSD menus. These are: Picture, Audio, Channel management, Options, Settings and Empowering Technology. Use the following method to navigate these menus.		
1		Press the MENU button on the remote control or the MENU button on the control panel.
2		Select your desired menu by using the up and down directional keys to switch between the six menus.
3		Use the directional keys to interact with the menu. The up / down directions will scroll through the menu options, while left/right will adjust the different settings (for example, in the Picture menu, settings such as brightness, contrast, etc.). Press MENU to exit.

Adjusting the OSD settings

The OSD can be used for adjusting the settings of your LCD TV.

Press the **MENU** key to open the OSD. You can use the OSD to adjust the picture quality, audio settings, channel settings and general settings. For advanced settings, please refer to following page:

Adjusting the picture quality



- 1 Press the **MENU** key to bring up the OSD.
- 2 Using the directional keys, select **Picture** from the OSD. Then navigate to the picture element you wish to adjust.
- 3 Use the left or right keys to adjust the sliding scales.
- 4 The **Picture** menu can be used to adjust the current Scenario mode, brightness, contrast, colour, sharpness and other image-related qualities.

Adjusting the audio settings



- 1 Press the **MENU** key to bring up the OSD.
- 2 Using the directional keys, select **Audio** from the onscreen display. Then navigate to the feature you wish to adjust.
- 3 Use the left or right keys to adjust the sliding scale. Press **OK** to save.
- 4 The **Audio** menu can also be used to adjust the treble, balance, sound effects and other important sound-related settings.

Adjusting the channel management



- 1 Press the **MENU** key to bring up the OSD.
- 2 Using the directional keys, select **Channel management** from the OSD.
- 3 Use the directional keys to navigate the menus.
- 4 The **Channel management** menu can be used to adjust frequency, and set the channel namings.

Adjusting other options



- 1 Press the **MENU** key to bring up the OSD.
- 2 Using the directional keys, select **Options** from the OSD.
- 3 Use the directional keys to navigate the menus.
- 4 The **Options** menu can be used to select the picture aspect ratio mode, set the sleep timer and reset options.

Adjusting the settings



- 1 Press the **MENU** key to bring up the OSD.
- 2 Using the directional keys, select **Settings** from the OSD. Then navigate to the feature you wish to adjust.
- 3 The **Settings** menu can be used to adjust the menu language and other important settings.



The options available on the OSD may vary depending on the TV signal source.

Table 14. ADTRAN H2TU-C Specifications

Loop Interface	
Modulation Type	16 TC PAM
Mode	Full duplex, partially overlapped echo canceling
Number of Pairs	One
Line Rate	1.552 mbps
Baud Rate	517.333 k baud
Service Range	Defined by CSA guidelines
Loop Loss	35 dB maximum @ 196 kHz
Bridged Taps	Single Taps < 2 kft., total taps ≤ 2.5 kft.
Performance	Compliant with T1.418-2000 (draft)
H2TU-C Transmit Power (Data) Level	16.6 ± 0.5 dBm (0 to 450 kHz)
H2TU-C Transmit Power (Activation) Level	16.3 ± 0.5 dBm (0 to 350 kHz)
Input Impedance	135 Ω
Maximum Loop Resistance	900 Ω per span
Return Loss	12 dB (50 to 200 kHz)
Power	
Power Consumption	+5 V: 1.7 watts typical; 48 V (includes H2TU-C and H2TU-R)
Span Power	—190 VDC internally generated from the —48 VDC switch battery
Fusing	—48 VDC (switch battery) is current-limited by a 500 mA Slo-Blo® subminiature surface-mount fuse. +5 VDC is current-limited by a 3 A quick-acting subminiature surface-mount fuse.
Clock	
Clock Sources	Internal, DSX-1 derived
Internal Clock Accuracy	± 25 ppm, (exceeds Stratum 4). Meets T1.101 timing requirements
Tests	
Diagnostics	Local loopback (H2TU-C), remote loopback (H2TU-R)
Physical	
Mounting	Litespan 2000 CBA, Litespan 2012 CBA, or an ONU CBA
Dimensions	4.42 in. high x 0.84 in. wide x 10.4 in. deep (11.22 cm x 2.13 cm x 26.4 cm)
Weight	Less than one pound
Environment	
Temperature	Operating (standard): —40°C to +70°C Storage: —40°C to 85°C
Humidity	Up to 95% noncondensing
Compliance	
Bellcore GR-1089-CORE (Class 2), ANSI T1.418-2002 NRTL listed to the applicable UL standards	
Part Number	
1221002L2	Asynchronous H2TU-C Line Card Unit (AHDLSL2), Narrowband

Tips & advice

Blanching vegetables

Before freezing vegetables, they should be blanched. This preserves the quality and flavour at their best. Method: wash and chop the vegetables. Put 250 g of vegetables in a dish with 275 ml water and cover. Heat for 3–5 minutes. After blanching, immerse immediately in cold water to prevent further cooking and then allow to drain. Pack vegetables in an airtight container and freeze.

Preserving fruit and vegetables

Using the microwave for preserving is quick and easy. There are preserving jars, rubber vacuum seals and



suitable seals made of plastic available specially made for microwaves. The manufacturers will supply precise instructions for use.

Large & small quantities

Microwave times are directly dependent upon the amount of food which you would like to thaw, heat or cook. This means that small portions cook more quickly than larger ones. As a rule of thumb:
TWICE THE AMOUNT = ALMOST TWICE THE TIME
HALF THE AMOUNT = HALF THE TIME

Deep & shallow containers



Both containers have the same capacity, but the cooking time is longer for the deeper one. You should therefore choose as flat a container as possible with a large surface area. Only use deep containers for dishes where there is a danger of overcooking, e.g. for noodles, rice, milk etc.

Round & oval containers

Food cooks more evenly in round or oval containers than in containers with corners, since the microwave energy concentrates in the corners and the food in these areas could become overcooked.

Covering



Covering the food retains the moisture within it and shortens the cooking time. Use a lid, microwave cling film or a cover. Foods which are to be crispy, e.g. roasts or chickens, should not be covered. As a general rule, whatever would be covered in a conventional oven should also be covered in a microwave oven. Whatever would be uncovered in a conventional oven can also be left uncovered in a microwave oven.

Irregular shaped food



outward.

Place the thicker, more compacted end of the food pointing towards the outside. Place vegetables (such as broccoli) with the stalks pointing



Stirring

Stirring the food is necessary, since the microwaves begin by heating the outer areas. The temperature is thereby equalised and the food heats up evenly.

Arrangement of food

Place a number of individual portions, such as small pudding moulds, cups or potatoes in their jackets, in a circle on the turntable. Keep the portions at a distance from each other so that the microwave energy can reach the food from all sides.

Turning

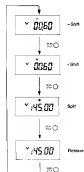
Medium-sized items, such as hamburgers and steaks, should be turned over once during cooking, in order to shorten the cooking process. Large items, such as roasts and chickens, must be turned, since the upper side receives more microwave energy and could dry out if not turned.



Standing time

Keeping to the standing time is one of the most important rules with microwaves. Almost all foods, which are defrosted, heated or cooked in the microwave, require a certain amount of time to stand, during which temperature equalisation takes place and the moisture in the food is evenly distributed.

4-9 SHIFT DIRECTION AND OFFSET FREQUENCY



Almost all repeaters operate in the duplex mode. They operate on one frequency and transmit on another frequency. The difference between these frequencies is the offset or shift the frequency. The published repeater frequency is usually the repeater transmit frequency. This is the repeater frequency that the repeater user selects on the LCD display. The receiver user transmits on a frequency offset either above or below the repeater frequency. Once the offset frequency and direction have been programmed into the transceiver they are automatically selected each time the PTT key is pressed.

1. Holding the [F] key, press the [F] key. A beep will be heard to indicate that the unit is in the Set Mode.
2. Every time you press the [F] key, Shift Direction changes in the offset.
3. Press the [F] key to release the Set Mode.

Entering an Offset (Shift) Frequency



1. Press the [F] key in the Set Mode. A "+" or "-" will appear on the LCD. An offset frequency will be indicated. The initial factory offset frequency settings are 600 kHz for F1TC and STTC, 5 MHz for F4T and S4T, and 70 MHz for F4B and S4B. The Offset Frequency can be selected between 0 and 15996 MHz.



Selecting Offset (Shift) Direction



2. Other Frequency may be changed by rotating the Dial for small incremental changes by the channel step at a time.
3. For larger incremental frequency changes holding the [F] key and rotate the Dial to increase or to decrease frequency by 1 MHz each time.
4. To return to the displayed repeater frequency press the [F] key. A beep will be heard and the Set Mode will be exited.

1. Holding the [F] key, then press the [F] key to put the unit in the Set Mode.
2. Press the [F] key until the desired offset symbol appears on the LCD.
3. A "+" symbol indicates an UP transmitter offset.
4. A "-" symbol indicates a DOWN transmitter offset.
5. When neither a "+" nor a "-" symbol appears the transceiver is in the Split mode and will transmit on the receive frequency.
6. If "FF" appears in place of the frequency during transmit the selected offset frequency is out of band. The transceiver will not transmit. Press the offset direction and the frequency.

4-10 SPLIT (ODD OFFSET) OPERATION

This function allows you to operate the unit by independent frequencies of receiving and transmitting.

(1) Setting of Split Operation



1. Holding the [F] key, press the [F] key. A beep will be heard and the unit is in the Set Mode.
2. Press the [F] key to get "0" on the LCD.
3. Press the [F] key to complete the procedure.

How to attach your Power Path™ Pro tools:



- 1** Place handle in upright position.



- 2** Slide the hose on the tool's connector until it locks. Push forward with your thumb and on the latch to remove.

⚠ CAUTION ⚠
To reduce risk of injury from moving parts – Unplug before servicing.

⚠ CAUTION ⚠
Not to be used for grooming a pet.

⚠ CAUTION ⚠
Use extra care when cleaning on stairs. To avoid personal injury or damage, and to prevent the cleaner from falling, always place cleaner at bottom of stairs or on floor. Do not place cleaner on stairs or furniture, as it may result in injury or damage.

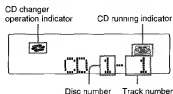
CD CHANGER PLAY

You can play discs with this unit by connecting the optional AIWA ADC-EX106, ADC-M60 CD changer. Make sure that the disc magazine loaded with the discs is inserted in the connected CD changer.

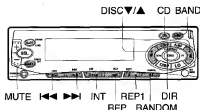
To install the unit, refer to the separate Installation and Connections manual.



- 1 Press CD to start playing from disc 1. The disc and track numbers appear.



- 2 Adjust the volume with +/-. .



Press following buttons to operate the connected CD changer

To do this	Press this button
To pause	CD
To resume	CD

To switch modes

- To turn the unit off, press and hold MUTE for more than 2 seconds.
- Even if the unit is in Radio or Tape Play mode, pressing CD switches the unit to CD Changer Play mode.
- If you wish to switch to another mode, press the following buttons.
 - Pressing DIR switches the unit to Tape Play mode.
 - Pressing BAND switches the unit to Radio mode.

To skip tracks

Buttons	Press*	Press and hold
▶▶	Skips to the next track	Advances rapidly Release it to resume play
◀◀	Skips back to the beginning of the current track	Reverses rapidly Release it to resume play

* Press for less than 0.5 second.

To play other disc

To start playing the previous disc in the disc magazine, press DISC ▼.

To start playing the next disc, press DISC ▲.

The number of the disc appears.

Repeat play

To repeat the current track, press REP1 (the "REPEAT 1" indication appears).

To repeat the current disc, press REP (the "REPEAT" indication appears).

To cancel either mode, press the same button again.

Intro play

Press INT (the "SCAN" indication appears).

The first 10 seconds of each track on all the discs in the disc magazine are played in sequence.

To cancel Intro play, press INT again.

Random play (ADC-EX106, ADC-M60 only)

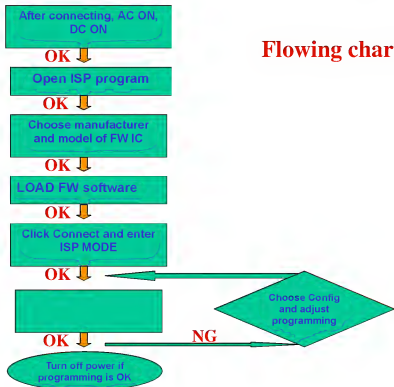
Press RANDOM (the "RANDOM" indication appears).

All the tracks on the current disc are played in random order.

To cancel Random play, press RANDOM again.

continued

Flowing chart



PRICE:PERFORMANCE OF THE PROLIANT 2500 SERVER

The ProLiant 2500 includes a combination of architecture and hardware features that delivers a level of performance similar to that of the Compaq ProLiant 4500 Server at an affordable price for departmental and remote office servers. Recent test results discussed below confirm that the ProLiant 2500 outperforms other servers in its class.

TPC-C Benchmark

The Compaq ProLiant 2500 6/200 was recently performance tested using the TPC-C version 3.2 Benchmark test. The TPC-C Benchmark is an on-line transaction processing (OLTP) workload benchmark developed by the Transaction Processing Performance Council (TPC). This benchmark test simulates the demanding operations processed in complex OLTP application environments. The test was performed using Microsoft Windows NT 4.0 and SQL Server 6.5. The results were audited by an independent company.

The ProLiant 2500 6/200 with dual processors delivered performance of 3594.47 tpmC at a cost of only \$82.21—significantly higher performance than leading competitors have demonstrated in published TPC-C results to date and almost triple the performance of the Compaq ProLiant 1500 5/166 Server. For details of this TPC-C test, refer to the Compaq performance summary titled *ProLiant 2500 TPC-C Performance*.

AIM Server Benchmark

On October 9, 1996, at the UNIX EXPO Plus, AIM Technology announced the winners of its 1996 Hot Iron Awards for systems achieving the best performance while operating under Windows NT or under UNIX. The awards were based upon results of tests with the AIM Server Benchmark and AIM Subsystem Benchmark.

The ProLiant 2500 6/200 with dual processors was recognized in the following categories for servers costing less than \$25,000:

Operating System	Category	Award
Windows NT	File Server MIX	Best Throughput Performance
UNIX	Multi-User Shared System MIX	Best Throughput Performance
UNIX	File Server MIX	Best Throughput Performance
UNIX	File Server MIX	Best Price/Performance Throughput

SYSTEM MANAGEABILITY

Typical departments and remote offices have limited personnel and budget for system and network administration. The decentralization of applications and the need to interconnect a growing number of users stretch administration resources and demand cost-effective server management and maintenance.

The ProLiant 2500 includes a full complement of server management features:

- Automatic Server Recovery (ASR-2)
- Fan spin sense
- Internal temperature sense
- Performance monitoring

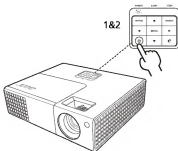


Note: To ensure the projector works well with your computer, please make sure the timing of the display mode is compatible with the projector.

Turning the Projector On/Off

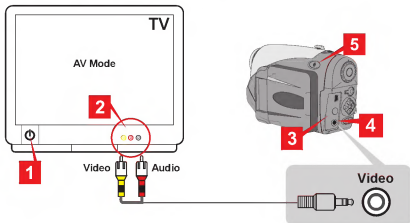
Turning On the Projector

- 1 Ensure that the power cord and signal cable are securely connected. The Power LED will light red.
- 2 Turn on the projector by pressing  (POWER) on the control panel or remote control, and the Power indicator LED will turn blue.
- 3 Turn on your source (computer, notebook, video player, etc.). The projector will detect your source automatically.
 - If the screen displays "No Signal", please make sure the signal cables are securely connected.
 - If you connect to multiple sources at the same time, use "SOURCE" on the control panel or remote control, or the direct source key on the remote control to switch between inputs.



Connecting the camera to your TV

Connect your camera and TV via an AV cable for real-time display. You can display your video clips, still pictures, and audio recordings directly on your TV screen to share them with your friends and family members.



- 1** Turn on your TV and switch to AV mode.
- 2** Connect the audio and video ends of the AV cable to your TV.
- 3** Open the connector cover of your camera.
- 4** Connect the other end of the video cable to your camera.
- 5** Turn on the camera.

 For more details on selecting the A/V options, please refer to page 29.

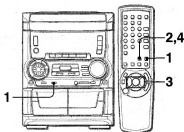
The DOLBY PRO LOGIC feature and the center and rear speakers (standard) assure full-scale home theater sound. When playing back laser discs or video software that have been recorded in Dolby Surround, astonishingly realistic sound surrounds the listener to create a new level of audio/visual entertainment.

Independent control of the four sound channels allows the listener to enjoy the same type of sound reproduction experienced in movie theaters. Voices are reproduced in the front and center sound field, while ambient sounds like cars and crowds are reproduced on all sides of the listener for an incredibly lifelike audio/video experience. Please read the following carefully to "tune" the system's output to match the characteristics of your listening space.

Check the following:

- Before using the DOLBY PRO LOGIC, adjust the proper balance of speaker sound levels.
- Make sure the supplied speakers are properly connected and positioned. (See page 4 and 5)
- Make sure the TV set and video unit are properly connected. (See page 6)
- Make sure the laser disc, video tape, etc., support **DOLBY SURROUND**.

ADJUSTING SPEAKER LEVEL BALANCE



The unit is equipped with a built-in test signal generator called a noise sequencer for easy balance adjustment of all 4 channels. The sequencer outputs a noise signal that "travels" from channel to channel, enabling the simple adjustment of sound level to achieve, at the listening position, the same apparent loudness from each channel.

Use the remote control.

1 Press DOLBY PRO LOGIC to select "NORMAL".

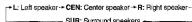
"NORMAL" is displayed.

If "PHANTOM" or "3 STEREO" is displayed, press DOLBY PRO LOGIC repeatedly until "NORMAL" is selected.

2 Press MANUAL SELECT and hold it down for about 4 seconds until "L" flashes.

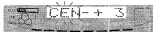


A noise signal is sent to each channel in turn in the following sequence.



3 Adjust the sound level of the center and the surround speakers.

While "CEN" or "SUR" is displayed, press **◀ DOWN** or **▶ UP** on the remote control to adjust the volume of the center or each surround speaker to match the level of the front speakers.



To adjust the balance between the left and right front speakers, see page 10. At this time, the DOLBY PRO LOGIC mode should be canceled by pressing **DOLBY PRO LOGIC** until the "PRO-OFF" is displayed.

4 Press MANUAL SELECT again to stop the noise signal.

NOTE

When the sequencer outputs a noise signal, a clicking sound might be heard from the speakers due to the characteristics of the circuit. This is not malfunction.

About the channels

The left and right front speakers create the stereo effect.

The center speaker helps achieve precise sound positioning over a broad sound field.

The rear-mounted surround speakers enhance the "depth" of the sound field.

To change the delay time

The surround speakers reproduce sounds a split second after the front speakers. The delay is initially set to 20 ms (milliseconds).

To change this standard delay time, press **MANUAL SELECT** on the remote control repeatedly until "TIME" is displayed. Then, press **◀ DOWN** or **▶ UP**. Each time one of the buttons is pressed, the delay time changes as shown below.

15 ms ↔ 20 ms ↔ 30 ms

